

North Platte Natural Resources District

ANNUAL REPORT OF 2013 WATER USE ACTIVITIES IN THE NORTH PLATTE NRD



**TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT PLAN
FOR THE 2014 BASIN-WIDE MEETING**

Meeting Date: June 19, 2014



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I. INTRODUCTION

This report is intended to satisfy the North Platte Natural Resources District tracking and reporting requirements as described by the Monitoring and Studies section of the North Platte Natural Resources District Integrated Management Plan (IMP).

The 2013 report contains information on those activities required to be tracked for the period January 1, 2013, to December 31, 2013.

II. CERTIFICATIONS

No new acres were certified between January 1, 2013 and December 31, 2013.

III. APPROVED TRANSFERS

Three transfers of certified irrigated acres and the point of withdrawal were approved between January 1, 2013 and December 31, 2013.

Permit Number	Acres Transferred	From Location	New Acres	To Location
TA-13-001	68.2	Sec. 6, T16N, R42W	67.5	Sec. 13, T17N, R41W
TA-13-002	6.8	Sec. 12, T16N, R42W	6.7	Sec. 13, T17N, R41W
TA-13-003	8.1	Sec. 1, T16N, R42W	8	Sec. 13, T17N, R41W

IV. VARIANCES

A variance from Rule 5.7.6, which prohibits transfers of location of use from the overappropriated area to the fully appropriated area, was approved for transfer permit TA-13-002. The variance was approved because the change from the overappropriated point of withdrawal at 29% depletion to the fully appropriated area at 6% depletion is beneficial to the NRD.

V. OTHER PERMITS

No other permits were approved between January 1, 2013 and December 31, 2013.

VI. WELL CONSTRUCTION PERMITS

The following table lists the well construction permits that were issued, cancelled or denied between January 1, 2013 and December 31, 2013:

NRD Permit Number	Legal Description	Use	Replacement	DNR Registration Number
NPSG13001	S12-T20N-R48W	Irrigation	No*	G-168332
NPRP13002	S14-T20N-R48W	Irrigation	Yes	Not Registered yet#
NPSG13003	S15-T22N-R55W	Irrigation	No*	G-167342
NPRP13004	S30-T23N-R57W	Irrigation	Yes	G-072385
NPRP13005	S20-T22N-R55W	Irrigation	Yes	No well – Permit expired
NP-13006	S15-T20N-R48W	Irrigation	No**	G-168638
NPRP13007	S22-T22N-R54W	Irrigation	Yes	G-008203
NPSG13008	S26-T19N-R48W	Irrigation	No*	G-168522
NPRP13009	S14-T21N-R49W	Irrigation	Yes	G-049911
NPRP13010	S14-T19N-R54W	Irrigation	Yes	G-023476
NPRP13011	S32-T22N-R53W	Irrigation	Yes	G-020999
RP-13012	S16-T24N-R57W	Irrigation	Yes	A-003410
NP-TU13013	S25-T18N-R44W	Test Well	No	No well – Permit expired
NP-TU13014	S25-T18N-R44W	Test Well	No	No well – Permit expired
NPTF13015	S13-T17N-R41W	Irrigation	No***	G-168428
NPSG13016	S30-T22N-R54W	Irrigation	No*	G-168364
NPIN13017	S7-T21N-R53W	Industrial	No****	G-169757
NPRP13018	S22-T19N-R46W	Irrigation	Yes	Not Registered yet#
NPRP13019	S19-T20N-R49W	Irrigation	Yes	G-048334
NPRP13020	S28-T19N-R45W	Irrigation	Yes	G-069684
NPRP13021	S7-T24N-R57W	Irrigation	Yes	G-067595
NPRP13022	S20-T21N-R52W	Irrigation	Yes	G-021740
NP-TU13023	S25-T18N-R44W	Test Well	No*****	G-169622
NP-TU13024	S25-T18N-R44W	Test Well	No*****	G-169623
NPIN13025	S35-T17N-R44W	Commercial	No*****	Not Registered yet#
NPRP13026	S3-T23N-R56W	Irrigation	Yes	Not Registered yet#
NPRP13027	S21-T19N-R53W	Aquaculture	Yes	G-107155
NPRP13028	S14-T23N-R57W	Irrigation	Yes	G-048130
IN-13029	S21-T18N-R55W	Commercial	No	No well – Permit expired
NPRP13030	S15-T22N-R54W	Irrigation	Yes	Not drilled yet
NPRP13031	S20-T18N-R48W	Irrigation	Yes	Not registered yet#

*This is a Special Circumstance Replacement Well, as per NPNRD Rules.

**Transfer TA-11-006 was completed in 2011; however, the well to irrigate the transferred acres was drilled in 2013.

***This is a new well that was drilled to service TA-13-001, TA-13-002 and TA-13-003.

****This is covered by Neb. Rev. Stat. § 46-740.

*****This is a test hole for > 90 days. There will be no consumptive use and, if there is, it will be covered by Neb. Rev. Stat. §46-740.

*****We are in contact with the well driller to get the registration completed. Any new consumptive use will be covered by Neb. Rev. Stat. §46-740.

#We are in contact with the well driller to get the registration completed.

VII. IRRIGATION WELL FLOW METER DATA

The ending flow meter readings for Water Year 2013 were collected during October 2013. The preliminary amount of ground water withdrawn for irrigation purposes in the overappropriated area (including the Pumpkin Creek Basin Ground Water Management Subarea) for Water Year 2013 was 147,041 acre-feet on 180,351 certified irrigated acres for an average withdrawal of 9.8 acre-inches per acre. The above numbers do not include those withdrawal amounts that have yet to be calculated as they were not able to be directly obtained from the flow meters due to various circumstances, such as failed flow meters.

VIII. RETIRED ACRES AND OTHER STREAMFLOW ACCRETION ACTIVITIES

Between January 1, 2013 and December 31, 2013, 142.3 certified irrigated acres were contracted for temporary retirement under the Agricultural Water Enhancement Program (AWEP).

On May, 1, 2013, the NRD entered into a five-year surface water lease agreement for 350.7 acres under the Central Irrigation District (CID). The leased water will be used for a surface water recharge pilot project with a purpose of offsetting post-1997 depletions to the North Platte River to help meet the goals and objectives of the IMP. The depletion offset will come from the historic consumptive use (HCU) portion of the leased CID surface water that will either be recharged in a pit located on-site or directly returned to the river. A portion of the HCU water will be used for site evaporation mitigation and to maintain the historic return flows to the river. Extensive accounting and monitoring will be done during the pilot project to provide information for the Western Water Use Management models and to ensure, to the extent possible, that there are no third party impacts. The leased acres will not be irrigated with either ground or surface water during the duration of the lease.

IX. OTHER WATER BANKING ACTIVITIES

No water banking activities were conducted between January 1, 2013 and December 31, 2013.

X. MUNICIPAL AND INDUSTRIAL ACCOUNTING

The following table lists the information gathered for the municipal accounting requirement:

City	Baseline (gallons)*	2013 Use (gallons)*	2013 Population**	2013 gallons per capita per day
Bayard	151,783,533	119,566,000	1,209	270.9
Bridgeport	237,176,000	105,776,256	1,547	187.3
Broadwater	45,668,104	7,091,900	128	151.8
Gering	891,820,400	755,388,000	8,500	243.5
Minatare	61,311,333	47,404,000	809	160.5
Mitchell	173,323,000	151,280,000	1,748	237.1
Oshkosh	125,128,333	88,272,000	884	273.6
Scottsbluff	960,551,017	698,463,900	15,039	127.2
Terrytown	147,433,847	103,571,000	2,144	132.3
WNJWB (includes Lyman, Henry, Morrill)	327,391,371	150,954,000	1,452	284.8

*This includes pumping and, if applicable, discharge volumes.

**Population numbers were supplied by the municipality.

The following table lists the information gathered for the industrial accounting requirement:

Name	Location	Well Reg. #	Baseline 2001-2006 (Acres or Gallons)	2013 Use (Acres/Gallons)
Courthouse and Jail Rock Golf Club	Sec. 29, T19N, R50W	G-096426, G-056581	35.21 acres	35.21 acres
Riverview Golf and Country Club	Sec. 17 and 20, T22N, R55W	G-083316, G-083317	67 acres	67 acres
Scottsbluff Country Club	Sec. 10, T22N, R55W	G-147117, G-147118, G-147119	106 acres	106 acres
Chimney Rock Golf Course	Sec. 22, T21N, R52W	G-072722	81.25 acres	81.25 acres
Rolling Green Golf Course	Sec. 15, T23N, R57W	G-029114	46.3 acres	46.3 acres
Scenic Knolls Golf Course	Sec. 9 and 16, T23N, R56W	G-120401	63.3 acres	63.3 acres
Oshkosh Country Club	Sec. 10, T16N, R44W	G-131367	33.2 acres	33.2 acres
Western Sugar Cooperative	Sec. 30, T22N, R54W	G-074421, G-074422, G-074423, G-005567	1,125,000,000 gallons	673,397,148 gallons
Bridgeport Ethanol LLC	Sec. 03, T19N, R50W	G-117573, G-152360	130,665,048 gallons*	135,998,817 gallons

*Baseline determined by 2009-2013 usage.